Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A system comprising:

a local controller having a slave mode and a control mode, when in the control mode, the local controller to control testing of a device and to initiate one or more test instructions to be applied to the device, and when in the slave mode, to pass through a remote test instruction received from a remote controller to a tester;

memory, communicatively coupled to the local controller, to receive the remote test instruction from the remote controller, the local controller obtaining the remote test instruction from the memory; and

the tester, communicatively coupled to the local controller, to apply one of the one or more test instructions and the remote test instruction to the device;

wherein the local controller polls the memory to detect the presence of the remote test instruction and switches from the control mode to the slave mode upon detecting the remote test instruction.

Claim 2 (original): The system of claim 1, further comprising the remote controller, communicatively coupled to the local controller, to control testing of the plurality of devices when the local controller is in the slave mode.

Claim 3 (original): The system of claim 1, wherein the local controller, when in the slave mode, is further to pass through a result of the remote test instruction to the remote controller.

Claim 4 (currently amended): ~~The system of claim 1, wherein the local controller, when in the control mode, is further to manage~~A system comprising:

a local controller having,

a slave mode wherein the local controller i) controls testing of a device by initiating one or more test instructions to be applied to the device, and ii) manages at least one test result received from the tester as a result of applying the one or more test instructions; and

a slave mode wherein the local controller passes through a remote test instruction received from a remote controller to a tester; and

the tester, communicatively coupled to the local controller, to apply one of the one or more test instructions and the remote test instruction to the device.

Claims 5-7 (canceled)

Claim 8 (original): The system of claim 1, wherein the local controller is further to control testing of a second device and to initiate one or more test instructions for the second device when in the control mode and wherein the tester is further to apply the one or more test instructions for the second device to the second device.

Claim 9 (original): The system of claim 1, wherein the tester comprises a system-on-a-chip (SOC) tester.

Claim 10 (currently amended): A method, implemented by a local controller of a test system, comprising:

detecting a remote test instruction received from a remote controller; and

upon detecting the remote test instruction, switching from a control mode, to control testing of a device and to initiate one or more test instructions to be applied to the device, to a slave mode to pass through the remote test instruction to a tester.

Claim 11 (original): The method of claim 10, further comprising passing through the remote test instruction to the tester.

Claim 12 (original): The method of claim 10, further comprising applying the remote test instruction to a device.

Claim 13 (original): The method of claim 12, wherein applying the remote test instruction comprises applying the test instruction to a system-on-a-chip (SOC).

Claim 14 (original): The method of claim 10, further comprising passing through a result of the remote test instruction to the remote controller.

Claim 15 (original): The method of claim 14, further comprising locally compiling the result with a plurality of additional results passed through to the remote controller.

Claim 16 (original): The method of claim 10, wherein detecting a remote test instruction comprises polling a memory shared with the remote controller.

Claim 17 (currently amended): ~~The method of claim 10, wherein detecting a remote test instruction comprises~~A method, implemented by a local controller of a test system, comprising:

    detecting a remote test instruction received from a remote controller by checking a semaphore; and

    upon detecting the remote test instruction, switching from a control mode, to control testing of a device and to initiate one or more test instructions to be applied to the device, to a slave mode to pass through the remote test instruction to a tester.

Claim 18 (original): The method of claim 10, wherein detecting a remote test instruction comprises detecting a test instruction to be applied to a system-on-a-chip (SOC).

Claim 19 (new): A system, comprising:

    a local controller having a slave mode and a control mode, when in the control mode, the local controller to control testing of a device and to initiate one or more test

instructions to be applied to the device, and when in the slave mode, to pass through a remote test instruction received from a remote controller to a tester;

memory, communicatively coupled to the local controller, to receive the remote test instruction from the remote controller, the local controller obtaining the remote test instruction from the memory; and

the tester, communicatively coupled to the local controller, to apply one of the one or more test instructions and the remote test instruction to the device;

wherein the local controller detects the presence of the remote test instruction by checking a semaphore, and upon detecting the remote test instruction, switches from the control mode to the slave mode.